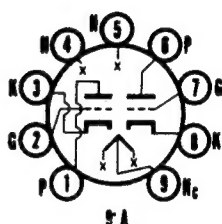




SYLVANIA TYPE 12BZ7

HIGH-MU TWIN TRIODE



MECHANICAL DATA

Bulb.....	T-6 1/2
Base.....	E9-1, Small Button 9-Pin
Outline.....	6-3
Basing.....	9A
Cathode.....	Coated Unipotential
Mounting Position.....	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Series/Parallel.....	12.6/6.3 Volts
Heater Current Series/Parallel.....	300/600 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode.....	180 Volts Max.
Heater Positive with Respect to Cathode.....	180 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

	Section 1	Section 2
Grid to Plate.....	2.5	2.5 μf
Input.....	6.5	6.5 μf
Output.....	0.7	0.55 μf
Plate to Plate.....	1.3	μf

MAXIMUM RATINGS (Design Center Values) Each Section

Plate Voltage.....	300 Volts
Plate Dissipation.....	1.5 Watts
Positive D C Grid Voltage.....	0 Volts
Negative D C Grid Voltage.....	50 Volts
Grid No. 1 Circuit Resistance ¹	5.0 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

Class A₁ Amplifier—Each Section

Plate Voltage.....	250 Volts
Grid Voltage.....	-2 Volts
Plate Current.....	2.5 Ma
Plate Resistance.....	31,800 Ohms
Transconductance.....	3200 μmhos
Amplification Factor.....	100

SYLVANIA TYPE 12BZ7 (Cont'd)

NOTES:

1. Maximum Value that can be used where Grid No. 1 bias is developed by means of contact potential.

APPLICATION

The Sylvania Type 12BZ7 is a miniature high mu twin triode designed primarily for use as a sync separator and sync amplifier in television receivers. It is also useful in clipping circuits and as a general purpose audio amplifier.

AVERAGE PLATE CHARACTERISTICS

